Metrics and the Population Health Navigator (Diabetes)

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Navy Environmental Health Center
19 March 2006

Notice

- Disclaimer
  - The views expressed in this presentation are those of the author and do not necessarily reflect the official policy or position of the Department of the Navy, Department of Defense, or the United States Government.
- Research Ethics Statement
  - I declare no conflicts of interest or financial interests in any product or service mentioned in this article, including grants, employment, stock holdings, gifts, or honoraria.

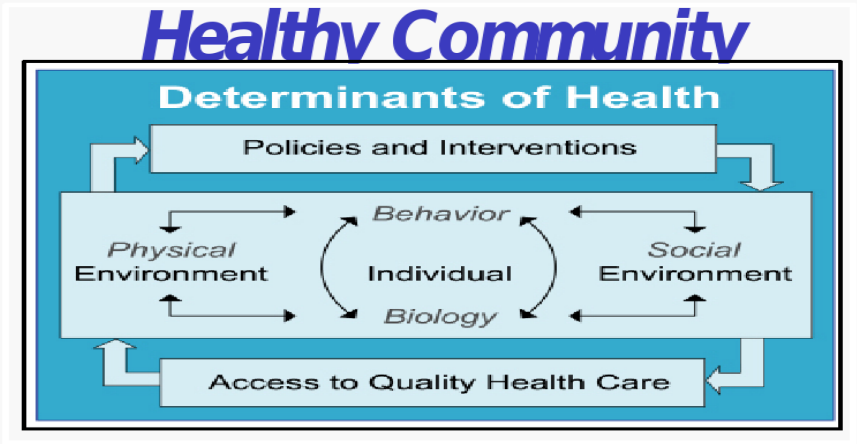
Acknowledgements

- Population Health Navigator
  - Developed by LTCOL Chris Phillips
- Metrics dashboard
  - NMIMC
- Many slides (406)
  - LCDR Von Thun

Objectives

- Population Health Navigator (45 minutes)
  - Describe contents of the PHN
  - Describe how to use the PHN
  - Manipulate data from the PHN for specific conditions
- Questions (5 minutes)
- Hands-on (20 minutes)

7 PHI Key Process Elements



1. Identify the Population

2. Forecast Demand

3. Manage Demand

6. Community Outreach

MHS

Optimize Clinical System

4. Manage Capacity

5. Evidence-Based Primary, Secondary, & Tertiary Prevention

7. Analyze Performance & Health Status

Naval Population Health Navigator Page - Microsoft Internet Explorer

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Back Search Favorites Media

Address http://www-nehc.med.navy.mil/hp/ph_navigator/ Go Links

Force Health Protection | Home | Index | Directorates | Field Activities | Special Interest

Ensure Navy and Marine Corps readiness through leadership in prevention of disease and promotion of health

NAVY POPULATION HEALTH NAVIGATOR

NAVY MEDICINE
World Class Care...Anytime, Anywhere

LINKS AND RESOURCES

- **Population Health Navigator**
- **Population Health Navigator Dashboard**
- **Population Health Navigator Frequently Asked Questions**
- **Population Health Navigator Instructional Brief**
- **FY 2005 Navy Medicine Disease State and Condition Management**
  (BUMED Note 6310, 3 Dec 2004)
- **Medical Implementation of Population Health Navigator and Metrics**
  (BUMED Msg 033301Z JUN 2004)
- **Population Health Navigator - Charting the Course in Population Health Management for Navy Medicine** B.K. Bohnker, A.M. Von Thun, E.M. Ruschmeier, Navy Medicine 95(6):19-20, 2004

OTHER POPULATION HEALTH LINKS

Internet

Address http://www-nehc.med.navy.mil/hp/PH_Navigator/FAQ.htm

Navy Environmental Health Center

Force Health Protection | Home | Index | Directorates | Field Activities | Special Interest

NAVY POPULATION HEALTH NAVIGATOR

NAVY MEDICINE
World Class Care....Anytime, Anywhere

Population Health Navigator Frequently Asked Questions

General Questions:

What is Population Health Navigator (PHN)?
What are some of the features of PHN?
How can I use the PHN action lists?

Administrative and Methodology Questions:

How do I get an account?
How do I get assistance with PHN?
Where does the data for PHN come from and how often is it updated?
How is enrollment determined?
Where can I find the methodology for PHN?
How did the PHN derive the methods used?

HEDIS® Questions:

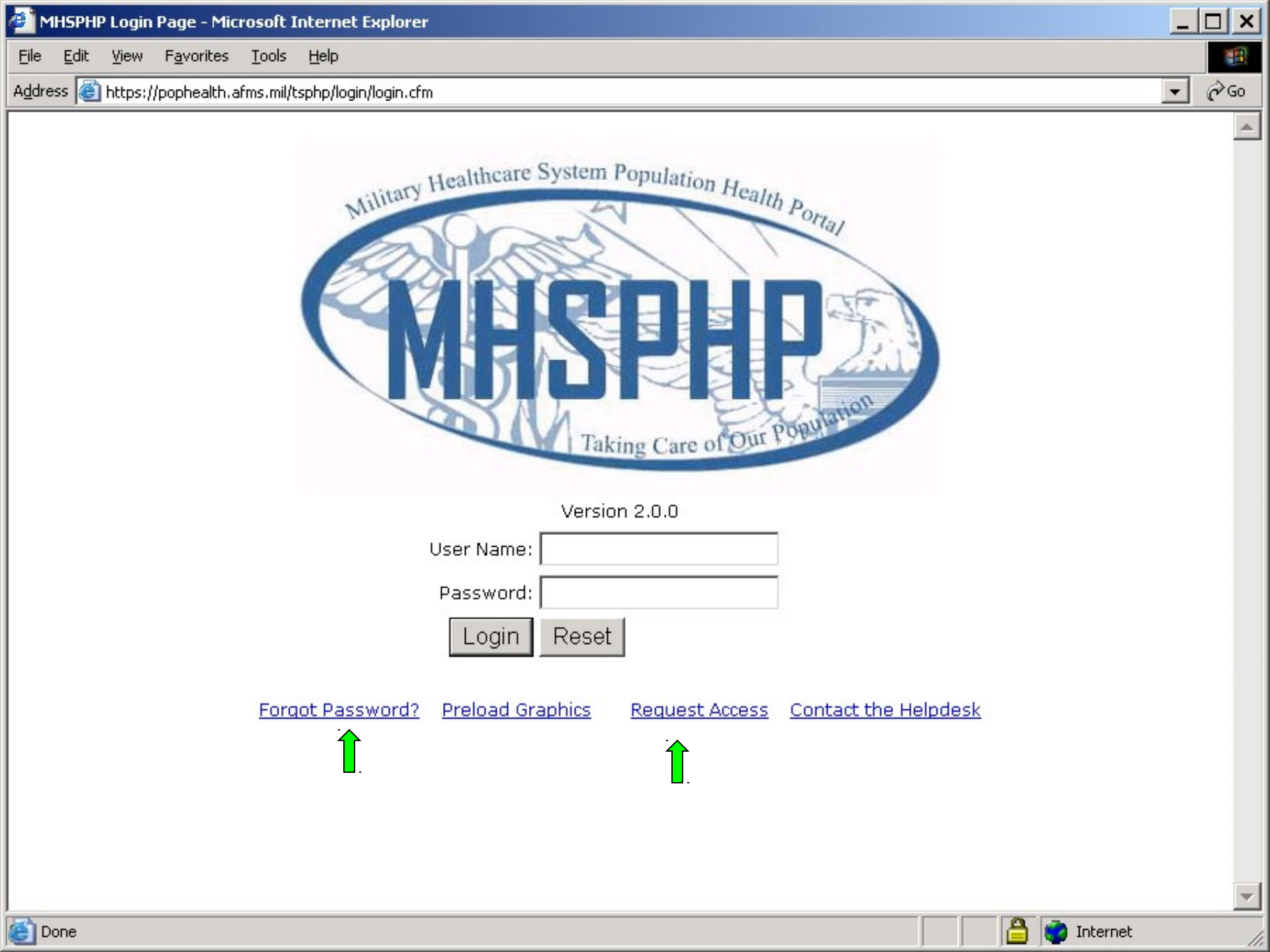
What are HEDIS® metrics?
How do I compare our HEDIS® metrics?
Why are the denominators in the HEDIS® metric and the Action List different?
How do I know which patients are HEDIS® eligible?

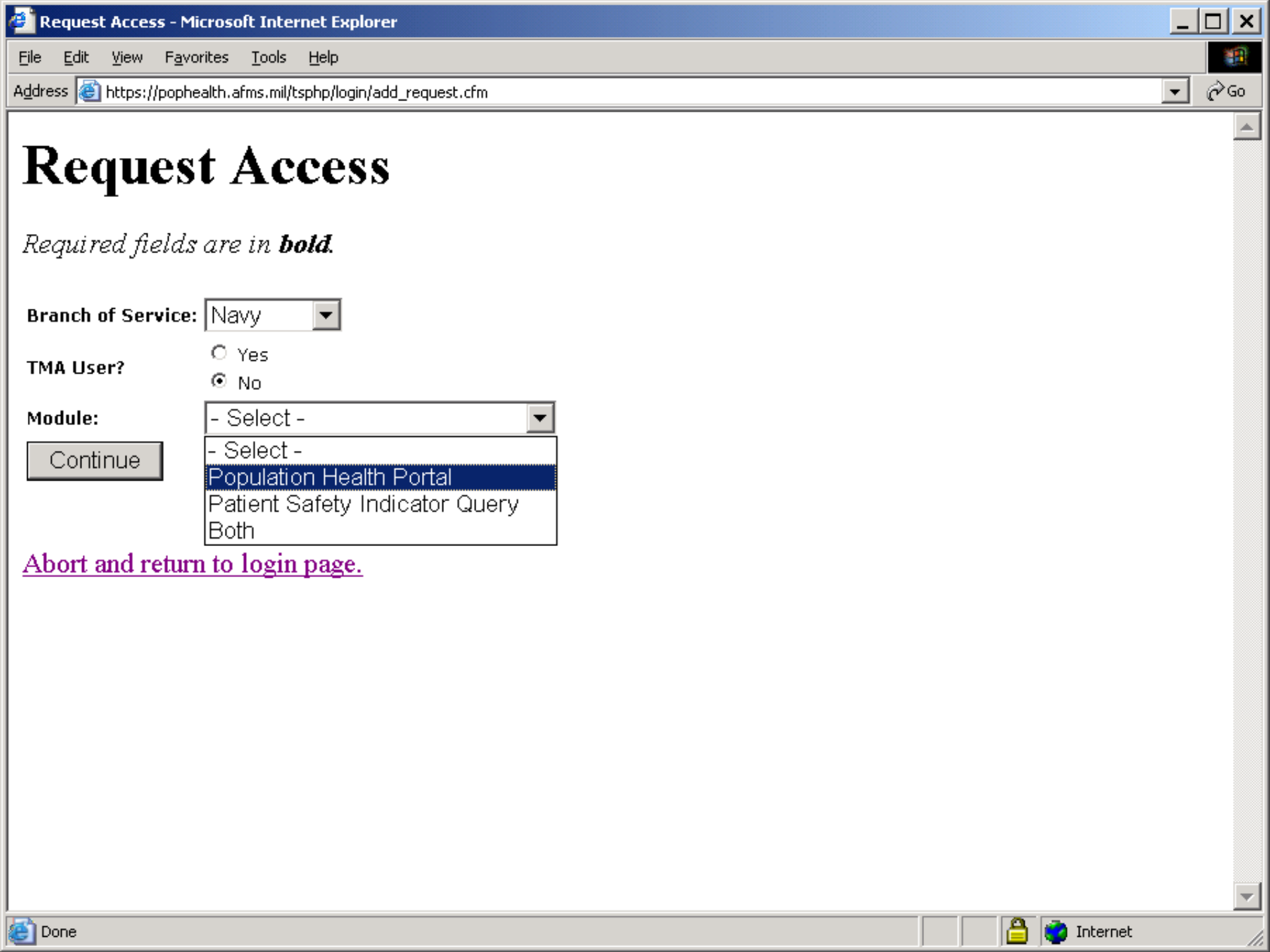
Other Questions:

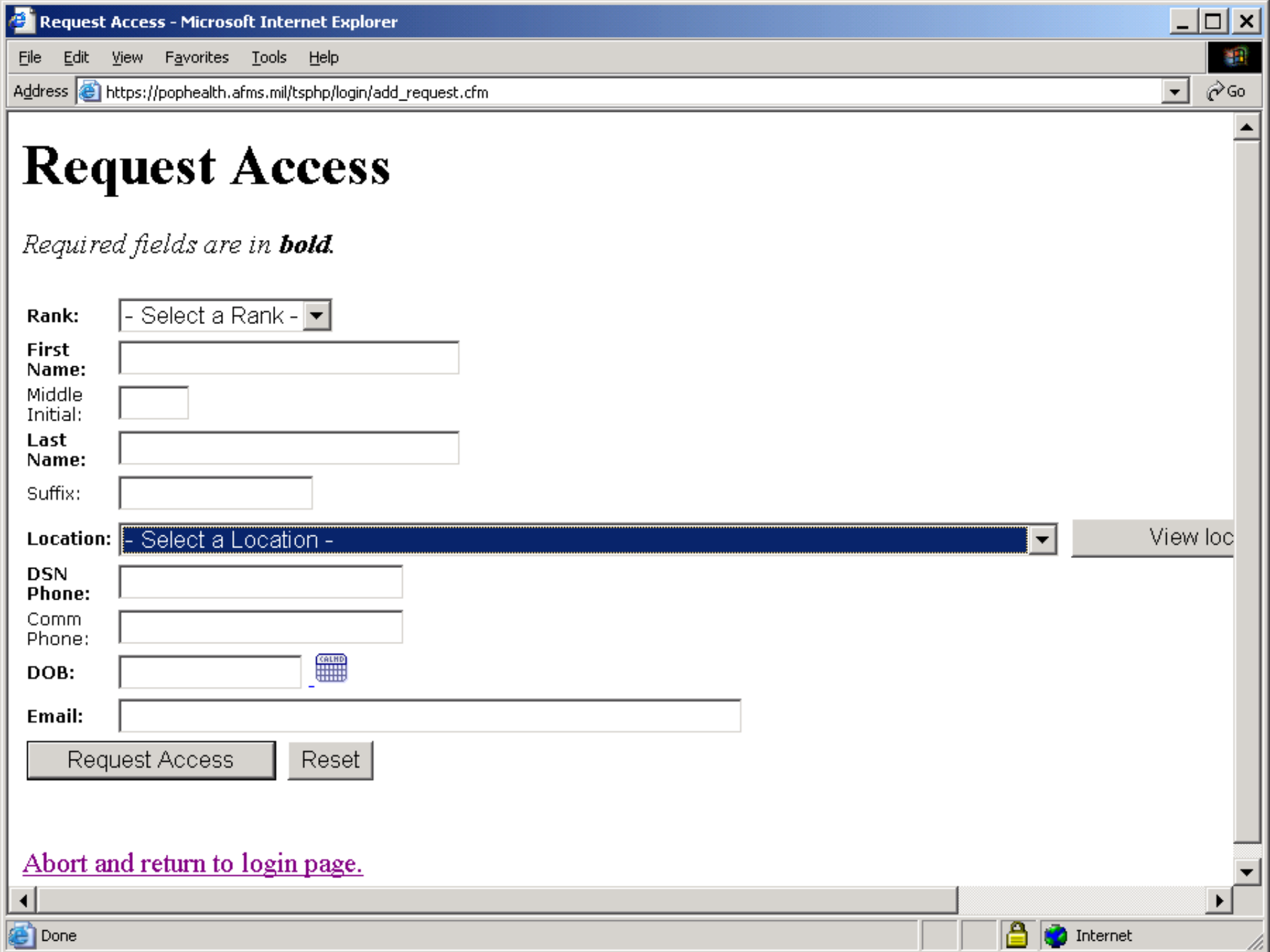
Why do you put information on high utilizers on the PHN?
Why does the PHN data not reflect what I see in the medical record?
How does PHN compare to PHOTO?
What are some of the strengths and limitations of PHN?
If my command is already using another database or disease registry, do I need to use PHN?
How are the PHN and the BUMED Business Plan linked?

To obtain a PHN account:

- Command endorsement
- Request account via PHN website
- POC: CDR Peggy Sleichter (BUMED)
  - E-mail: phn.admin@us.med.navy.mil
  - Phone: (202) 762-3125


MHSPHP Login Page - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Address https://pophealth.afms.mil/tsphp/login/login.cfm
Go
Military Healthcare System Population Health Portal
MHSPHP
Taking Care of Our Population
Version 2.0.0
User Name:
Password:
Login
Reset
Forgot Password?
Preload Graphics
Request Access
Contact the Helpdesk
Done
Internet

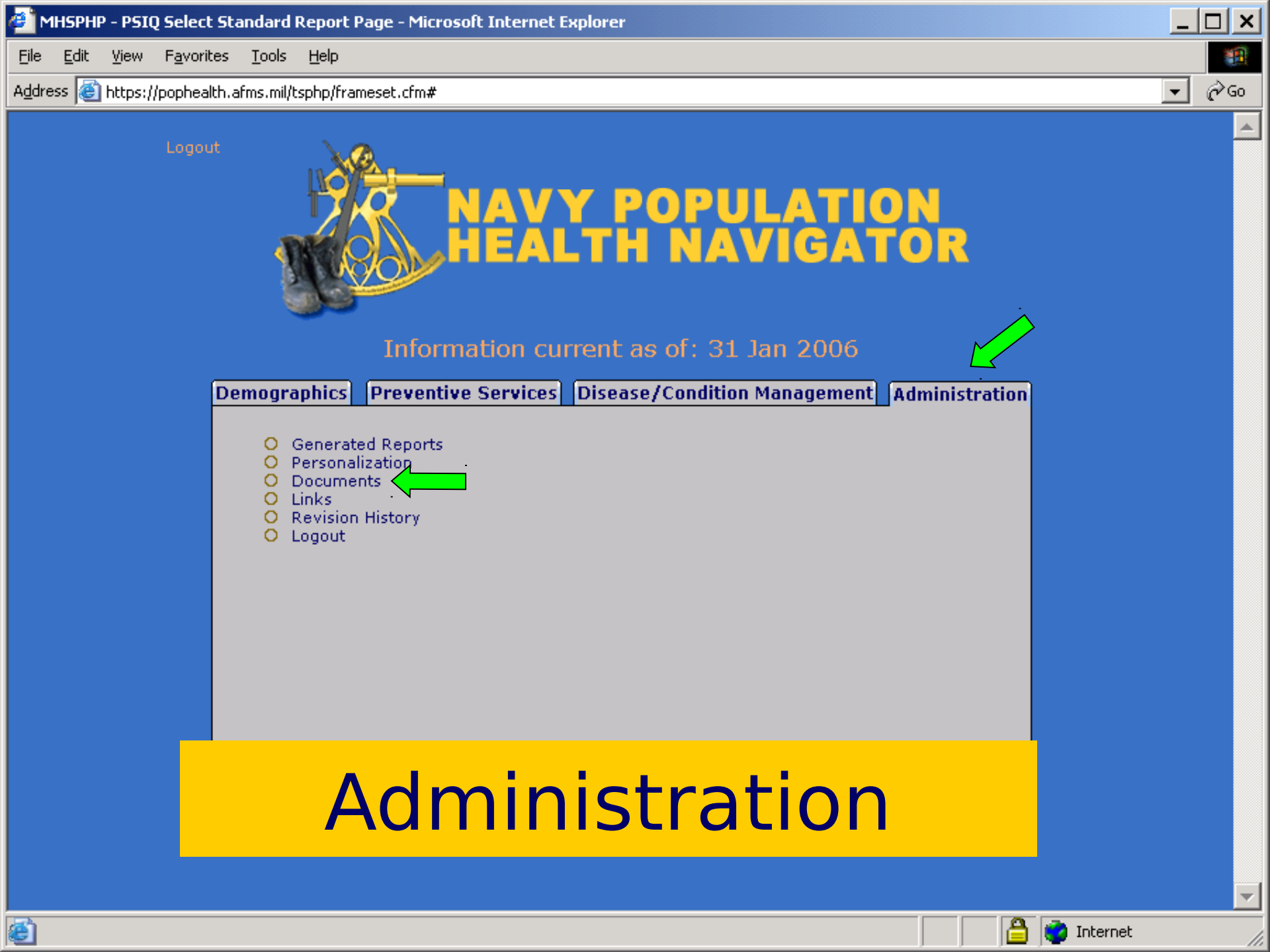

Request Access - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Address https://pophealth.afms.mil/tsphp/login/add_request.cfm
Go
Request Access
Required fields are in bold.
Branch of Service: Navy
TMA User? Yes No
Module: - Select -
Continue
- Select -
Population Health Portal
Patient Safety Indicator Query
Both
Abort and return to login page.
Done
Internet


Request Access - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Address https://pophealth.afms.mil/tsphp/login/add_request.cfm
Go
Request Access
Required fields are in bold.
Rank:
- Select a Rank -
First Name:
Middle Initial:
Last Name:
Suffix:
Location:
- Select a Location -
View loc
DSN Phone:
Comm Phone:
DOB:
Email:
Request Access
Reset
Abort and return to login page.
Done
Internet

Population Health Navigator

Major “Index Card” Sections :

- Demographic Information
- Preventive Services
- Disease and Condition Management
- Administration


MHSPHP - PSIQ Select Standard Report Page - Microsoft Internet Explorer
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Address https://pophealth.afms.mil/tsphp/frameset.cfm#
Go
Logout
NAVY POPULATION HEALTH NAVIGATOR
Information current as of: 31 Jan 2006
Demographics
Preventive Services
Disease/Condition Management
Administration
Generated Reports
Personalization
Documents
Links
Revision History
Logout
Administration
Internet

MHSPHP - PSIQ Documents - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address https://pophealth.afms.mil/tsphp/docs/doc_show.cfm Go

MHSPHP - PSIQ Documents

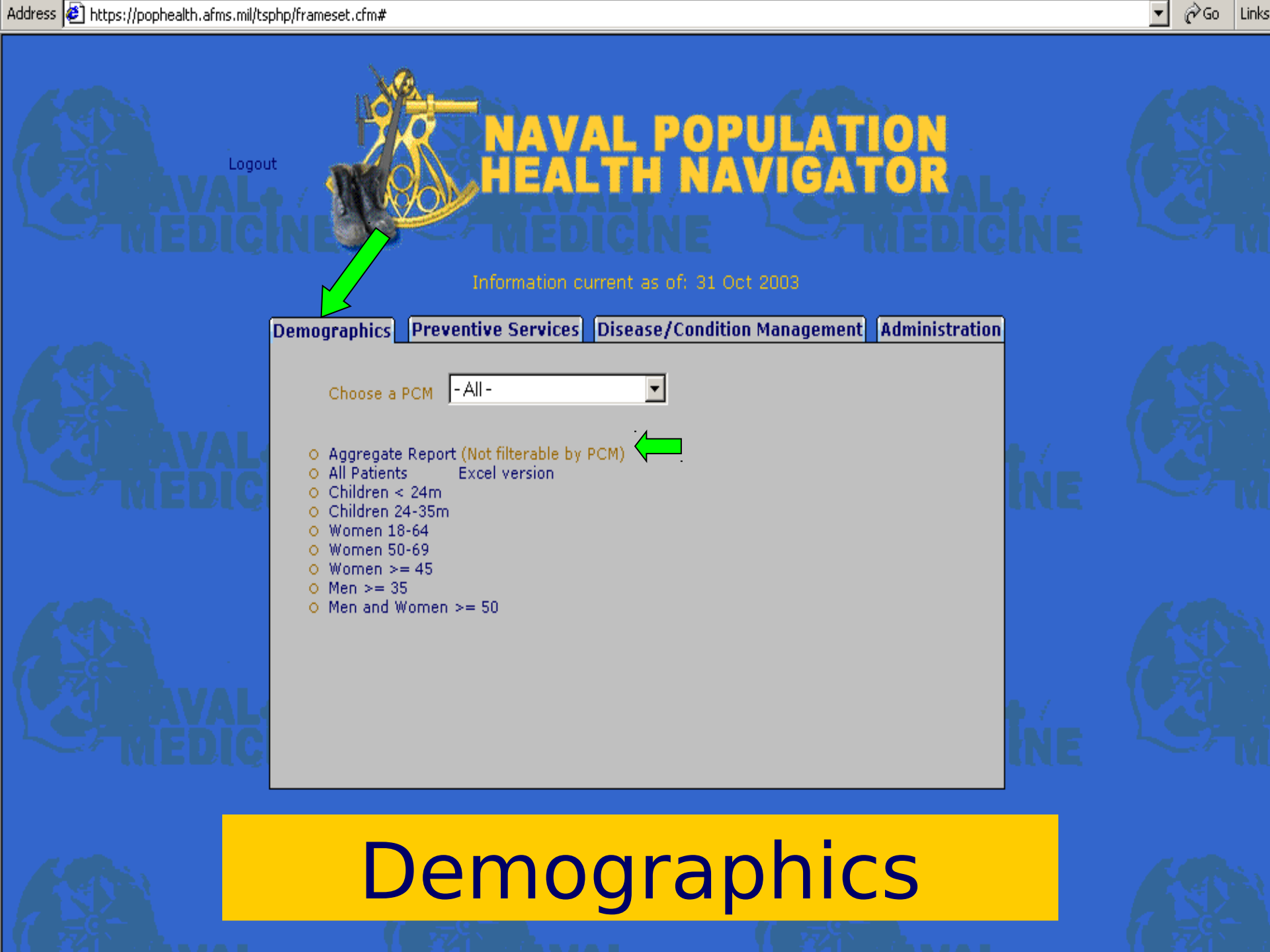
(Select the Download button next to the document to download it.)

Return to Main Application Page

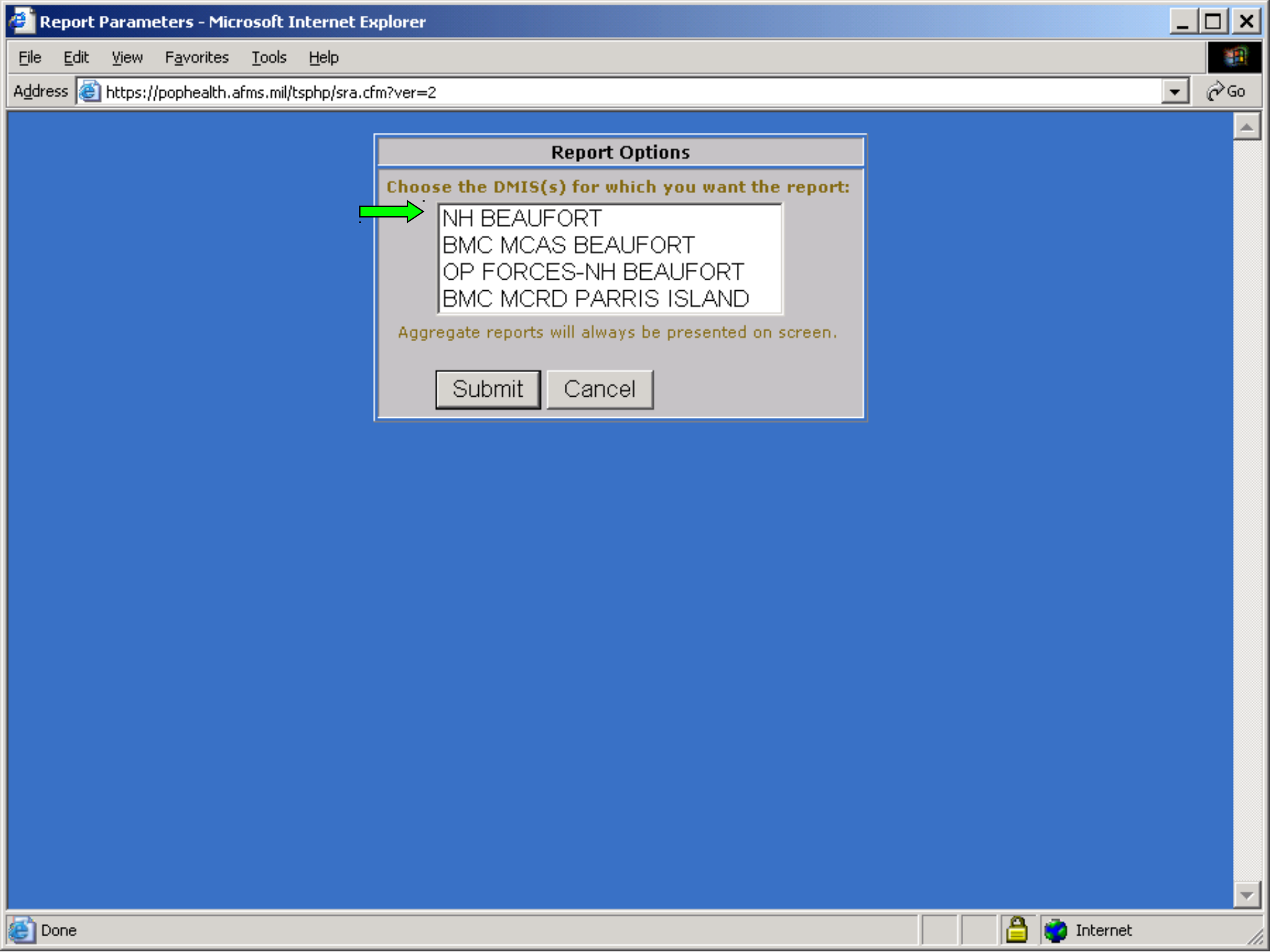
Name	Description	Uploaded by	Date Uploaded	
Application Source Documents				
Customer Requirements Specification	Customer Requirements Specification	CIV Michael A Burroughs	18-Jun-2002	Download
Administrator Documentation				
User Documentation				
MHSPHP User's Guide	MHSPHP User's Guide	CIV Michael A Burroughs	11-Mar-2004	Download
Steps to correct a SADR record	Step by step instructions on how to correct a local ADM/SADR record	Lt Col Christopher J Phillips MD, MPH	04-Apr-2003	Download
Coding pitfalls to avoid with gestational diabetes	Details re. indications for the correct use of gestational diabetes ICD9 codes	Lt Col Christopher J Phillips MD, MPH	14-Jun-2003	Download
2004 MHS Population Health Methods		Maj William M Hirst	25-Jul-2005	Download

Refresh List

Done Internet



Demographics


Report Parameters - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Address https://pophealth.afms.mil/tsphp/sra.cfm?ver=2
Go
Report Options
Choose the DMIS(s) for which you want the report:
NH BEAUFORT
BMC MCAS BEAUFORT
OP FORCES-NH BEAUFORT
BMC MCRD PARRIS ISLAND
Aggregate reports will always be presented on screen.
Submit
Cancel
Done
Internet

Aggregate Report - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address https://pophealth.afms.mil/tsphp/std_report_aggregate.cfm?RequestTimeout=1000

Logout

NAVAL POPULATION HEALTH NAVIGATOR

Information current as of: 31 Jul 2004

Aggregate Report: Demographics -

Return to Main Page

Total Enrollees:	16,007
Children < 24 mos:	901
Children 24 - 35 mos:	399
Women 18 - 64:	5,398
Women 50 - 69:	912
Women >=45:	1,363
Men >=35:	2,181
Men & Women >=50:	1,847

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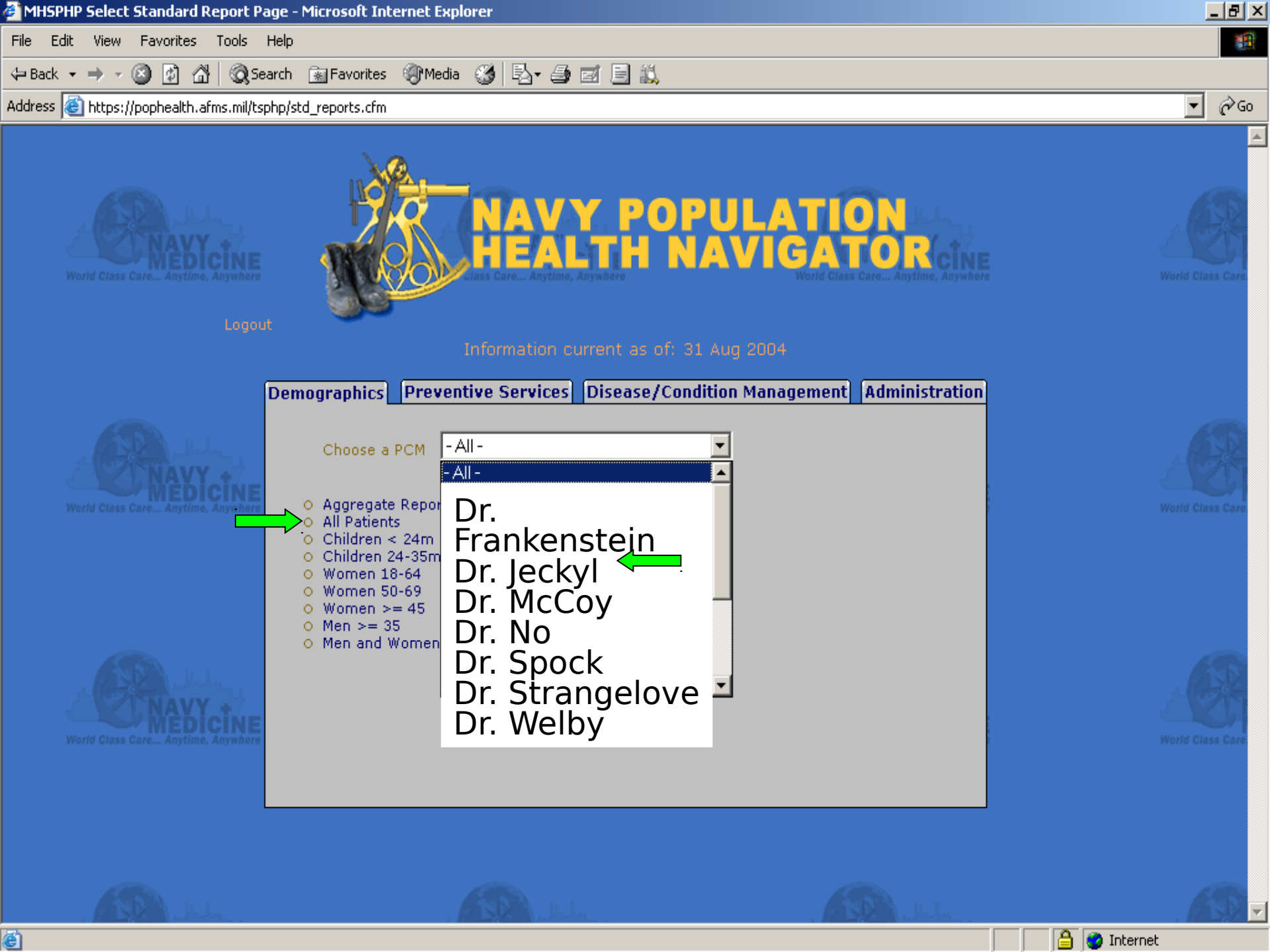

MHSPHP Select Standard Report Page - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address https://pophealth.afms.mil/tsphp/std_reports.cfm
Go
NAVY POPULATION HEALTH NAVIGATOR
Logout
Information current as of: 31 Aug 2004
Demographics
Preventive Services
Disease/Condition Management
Administration
Choose a PCM
- All -
- All -
Dr. Frankenstein
Dr. Jeckyl
Dr. McCoy
Dr. No
Dr. Spock
Dr. Strangelove
Dr. Welby
Aggregate Repor
All Patients
Children < 24m
Children 24-35m
Women 18-64
Women 50-69
Women >= 45
Men >= 35
Men and Women
Internet

Standard Report Output - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites Media

Address https://pophealth.afms.mil/tsphp/std_report_action2.cfm?RequestTimeout=1000 Go

NAVAL POPULATION HEALTH NAVIGATOR

Report Results: All Patients

Facility: 100th MED GRP-DEMO **Records Found: 3421**

(fictitious data)

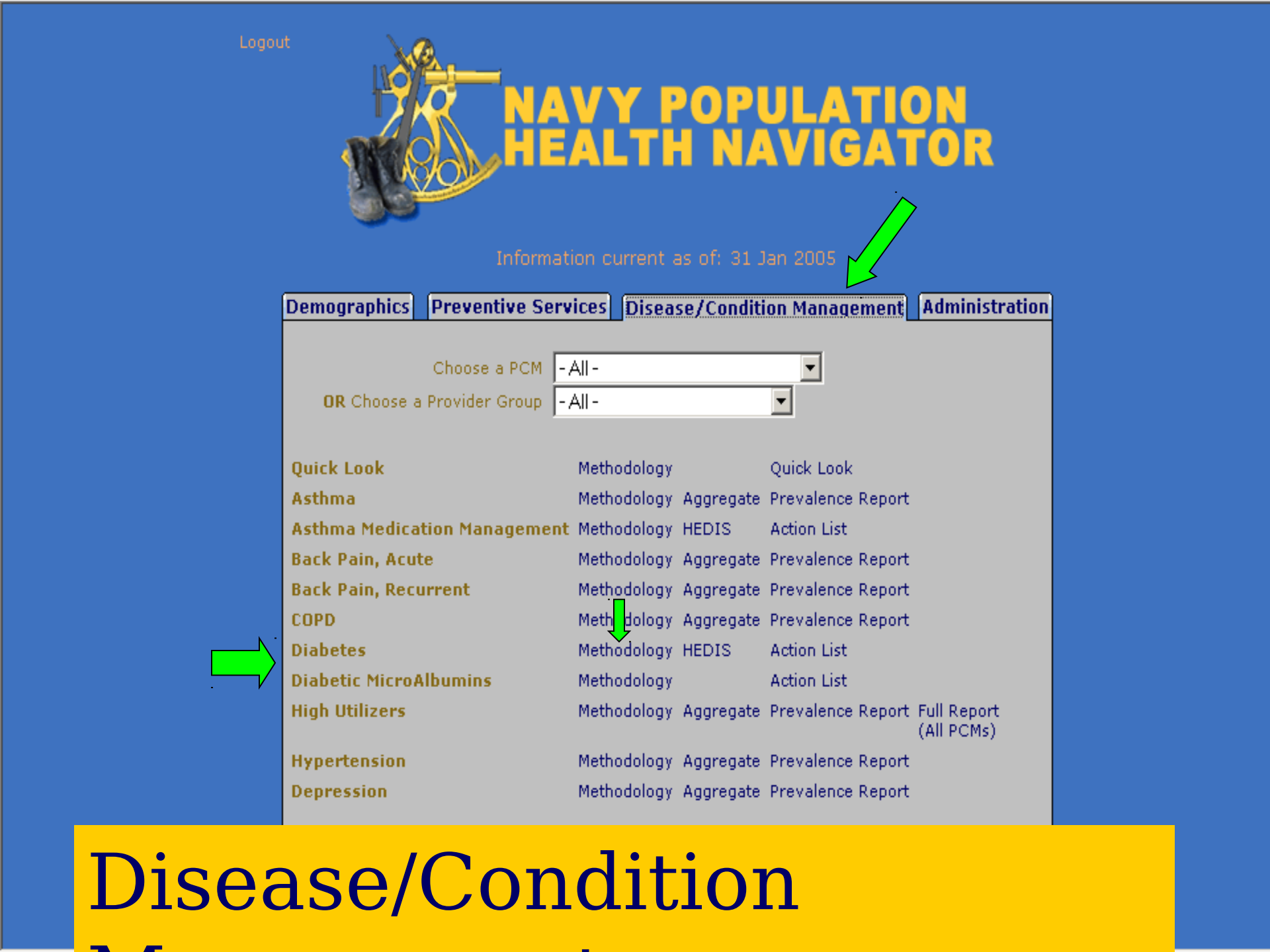
For Official Use Only (FOUO) - Privacy Act of 1974 Applies

This is **not** an official System of Record; do **not** use as a patient's electronic Medical Rec

Return to Main Page | Open Report in Excel

Patient Name	Sponsor SSN	DDS	DOB	BenCat	PCM Name	Provider Group	Age	Gender	Street 1	Street 2	City	Sta
ABREGO DANIELL	[redacted]		11 May 1962	ADAF	MCCOY L	999th DEMO MED GRP	40.56	F			AIMHIGH	DC
ABREGO GENARO			08 Jun 1992	ADFMLY	MCCOY L	999th DEMO MED GRP	10.48	M			AIMHIGH	DC
ABREGO TAWANNA			11 Sep 1996	ADFMLY	MCCOY L	999th DEMO MED GRP	6.22	F			AIMHIGH	DC
ABREU JEFFIE			22 Apr 1977	ADAF	MCCOY L	999th DEMO MED GRP	25.61	F			AIMHIGH	DC
ACKLIN GENARO			08 Jun 1965	ADAF	MCCOY L	999th DEMO MED GRP	37.48	M			AIMHIGH	DC
ACKLIN JANYCE			23 Apr 1985	ADFMLY	MCCOY L	999th DEMO MED GRP	17.61	F			AIMHIGH	DC
ACKLIN LAURE			14 Aug 1967	ADFMLY	MCCOY L	999th DEMO MED GRP	35.3	F			AIMHIGH	DC
ACKLIN RICARDA			06 Mar 1992	ADFMLY	MCCOY L	999th DEMO MED GRP	10.74	F			AIMHIGH	DC
ACKLIN VALORIE			24 Jun 1988	ADFMLY	MCCOY L	999th DEMO MED GRP	14.44	F			AIMHIGH	DC
ACTON JAYSON			26 Aug 1936	RTAF	MCCOY L	999th DEMO MED GRP	66.26	M			AIMHIGH	DC
ADAME THEO			24 Oct 1981	ADAF	MCCOY L	999th DEMO MED GRP	21.1	M			AIMHIGH	DC
ADAMES AUSTIN			02 Mar 1986	ADFMLY	MCCOY L	999th DEMO MED GRP	16.75	M			AIMHIGH	DC
ADAMES CHARITA			20 Jan 1987	ADFMLY	MCCOY L	999th DEMO MED GRP	15.86	F			AIMHIGH	DC
ADAMES CLAUDE			31 Dec 1962	ADAF	MCCOY L	999th DEMO MED GRP	39.92	M			AIMHIGH	DC
ADAMES DUNCAN			28 Jun 1988	ADFMLY	MCCOY L	999th DEMO MED GRP	14.43	M			AIMHIGH	DC
ADAMES JESTINE			20 Apr 1965	ADFMLY	MCCOY L	999th DEMO MED GRP	37.62	F			AIMHIGH	DC
ADAMES KIMBRA			02 May 1985	ADFMLY	MCCOY L	999th DEMO MED GRP	17.58	F			AIMHIGH	DC
ADCOCK ROSALINDA			15 Jul 1946	RTFMLY	MCCOY L	999th DEMO MED GRP	56.38	F			AIMHIGH	DC
ADCOCK WOODROW			13 Apr 1944	RTAF	MCCOY L	999th DEMO MED GRP	58.63	M			AIMHIGH	DC
ADDISON ANTIONETTE			24 Sep 1973	ADFMLY	MCCOY L	999th DEMO MED GRP	29.19	F			AIMHIGH	DC
ADDISON COLUMBUS			27 Oct 1998	ADFMLY	MCCOY L	999th DEMO MED GRP	4.1	M			AIMHIGH	DC
ADDISON ELLIOTT			09 Jul 1976	ADAF	MCCOY L	999th DEMO MED GRP	26.4	M			AIMHIGH	DC
ADDISON EVON			05 Sep 1997	ADFMLY	MCCOY L	999th DEMO MED GRP	5.24	F			AIMHIGH	DC
AITKEN DALE			10 Jan 1948	RTAF	MCCOY L	999th DEMO MED GRP	54.89	M			AIMHIGH	DC
AITKEN IRINA			27 Jul 1941	RTFMLY	MCCOY L	999th DEMO MED GRP	61.35	F			AIMHIGH	DC

Preventive Services


Logout
NAVY POPULATION HEALTH NAVIGATOR
Information current as of: 31 Jan 2005
Demographics
Preventive Services
Disease/Condition Management
Administration
Choose a PCM
- All -
OR Choose a Provider Group
- All -
Quick Look Methodology Quick Look
Asthma Methodology Aggregate Prevalence Report
Asthma Medication Management Methodology HEDIS Action List
Back Pain, Acute Methodology Aggregate Prevalence Report
Back Pain, Recurrent Methodology Aggregate Prevalence Report
COPD Methodology Aggregate Prevalence Report
Diabetes Methodology HEDIS Action List
Diabetic MicroAlbumins Methodology Action List
High Utilizers Methodology Aggregate Prevalence Report Full Report (All PCMs)
Hypertension Methodology Aggregate Prevalence Report
Depression Methodology Aggregate Prevalence Report

Disease/Condition

https://pophealth.afms.mil/tsphp/Methodology/diabetes_care.doc - Microsoft Internet Explorer
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Address https://pophealth.afms.mil/tsphp/Methodology/diabetes_care.doc
Go

Diabetes Care

MHS WEB PORTAL METHODOLOGY & MEASUREMENT

Background:

The MHS Population Health Web Portal methodology is based on the 2005 Health Plan Employer Data and Information Set (HEDIS®) criteria. These are a set of criteria used to benchmark treatment facilities using a common methodology; they should not be confused with clinical practice guidelines. A set of comprehensive diabetes benchmarking measurements were selected for diabetic patients age 18-75. As a set they provide a comprehensive view of the clinical management of patients diagnosed with diabetes. The "action report" provided to treatment facilities on the MHS Population Health Web Portal includes information regarding annual A1c testing, A1c control, LDL screening, retinal eye exams, and monitoring for kidney disease (*to be added at later date*) in MTF enrollees ≥ age 1.

Measure Definitions:

- Percent of patients enrolled to DoD MTFs with Type 1 or Type 2 diabetes ages 18 through 75 years with at least one ***A1c test*** during the past year.
- Percent of patients enrolled to DoD MTFs with Type 1 or Type 2 diabetes ages 18 through 75 years with ***A1c values >9.0% or no A1c test*** during the past year.
- Percent of patients enrolled to DoD MTFs with Type 1 or Type 2 diabetes ages 18 through 75 years who had their most recent ***LDL-C lab*** (performed sometime during the past two years) with a value ***<100mg/dl*** (enrollees with no test on record will be assumed to be above 100 mg/dl).
- Percent of patients enrolled to DoD MTFs with Type 1 or Type 2 diabetes ages 18 through 75 years who had a ***retinal or dilated eye exam***, (see numerator definition for time period).

Benchmarks:

Health Plan Employer Data and Information Set (HEDIS®) 50th 75th 90th percentiles:

HEDIS Metric

- Definition: Percentage of patients continuously enrolled to an MTF with Type 1 or Type 2 diabetes (18-75yo) with:
  - At least one HbA1c in the last year
  - **With HbA1c ≤ 9.0%**
  - **With LDL < 100 mg/dl**
  - With retinal or dilated eye exam in last 1-2yrs (depending)
    - If on insulin, if A1c > 8, if dx of diabetic retinopathy then qYr
- Includes:
  - Patients diagnosed with Diabetes (250.xx, 357.2, 362.0, 366.41, 648.0)
    - 1 Inpatient Admission **OR** 1 ER visit **OR** 2 outpatient visits
  - Patients with Diabetic Meds in last 24 months (MTF, network, mail order)
  - Both MTF & network care
  - Action List contains all diabetics > 1yo
- Excludes:
  - Polycystic Ovarian Syndrome, Steroid-Induced Diabetes, Gestational Diabetes
  - Metformin as a diabetic medication
- Benchmark: A1C = **79%** LDL = **43%** (HEDIS 90th percentile)
- Navy Average: A1C = **75.4%** LDL = **47.56%**

Logout

NAVY POPULATION HEALTH NAVIGATOR

Information current as of: 31 Jan 2005

Demographics | Preventive Services | Disease/Condition Management | Administration

Choose a PCM: - All -

OR Choose a Provider Group: - All -

Quick Look	Methodology		Quick Look	
Asthma	Methodology	Aggregate	Prevalence Report	
Asthma Medication Management	Methodology	HEDIS	Action List	
Back Pain, Acute	Methodology	Aggregate	Prevalence Report	
Back Pain, Recurrent	Methodology	Aggregate	Prevalence Report	
COPD	Methodology	Aggregate	Prevalence Report	
Diabetes	Methodology	HEDIS	Action List	
Diabetic MicroAlbumins	Methodology		Action List	
High Utilizers	Methodology	Aggregate	Prevalence Report	Full Report (All PCMs)
Hypertension	Methodology	Aggregate	Prevalence Report	
Depression	Methodology	Aggregate	Prevalence Report	

Logout

NAVY POPULATION HEALTH NAVIGATOR

Information current as of: 31 Jan 2005

Aggregate Report: Diabetes - A1C, LDL, and Retinal Exam -

Return to Main Page

Total Diabetics w/o A1C Exam:	63
Total Diabetics w/ A1C Exam:	259
Total # of HEDIS Diabetics (Age 18+ Years):	322

= 80%

Total Diabetics w/ A1C >9.0 or no test:	103
Total Diabetics w/ A1C <= 9.0:	219
Total # of HEDIS Diabetics (Age 18+ Years):	322

= 68%*

Total Diabetics w/LDL >= 100 or no test:	205
Total Diabetics w/LDL < 100:	117
Total # of HEDIS Diabetics (Age 18+ Years):	322

= 36%*

Total Diabetics w/o Retinal Exam:	225
Total Diabetics w/ Retinal Exam:	97
Total # of HEDIS Diabetics (Age 18+ Years):	322

= 30%

% A1c compliance = 219/322 = 68%

*These are the values that appears in the PHN Dashboard and the BUMED Business Plan

Logout

NAVY POPULATION HEALTH NAVIGATOR

Information current as of: 31 Jan 2005

Demographics | Preventive Services | Disease/Condition Management | Administration

Choose a PCM: - All -

OR Choose a Provider Group: - All -

Quick Look	Methodology		Quick Look	
Asthma	Methodology	Aggregate	Prevalence Report	
Asthma Medication Management	Methodology	HEDIS	Action List	
Back Pain, Acute	Methodology	Aggregate	Prevalence Report	
Back Pain, Recurrent	Methodology	Aggregate	Prevalence Report	
COPD	Methodology	Aggregate	Prevalence Report	
Diabetes	Methodology	HEDIS	Action List	
Diabetic MicroAlbumins	Methodology		Action List	
High Utilizers	Methodology	Aggregate	Prevalence Report	Full Report (All PCMs)
Hypertension	Methodology	Aggregate	Prevalence Report	
Depression	Methodology	Aggregate	Prevalence Report	

- Action List contains:
  - Patient Info: name, SSN, DOB, age, BenCat
  - Provider Info: PCM name, group
  - Patient Contact Info: address, phone
  - Lab Test/Date: A1c, LDL, Tchol, HDL, Chol/HDL
  - Pharm Data: # Rx, Insulin
  - Utilization data: # Inpt, ED, Outpatient Visits
  - Retinopathy screening: date
  - Nephropathy screening: separate module

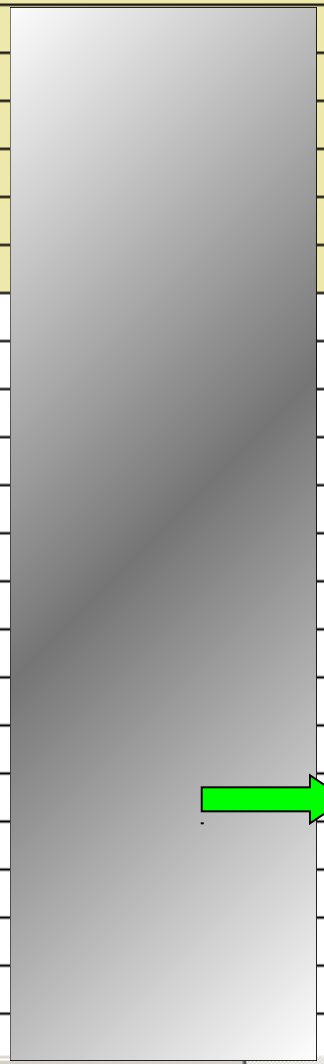
  - Those w/o A1c are highlighted, then sorted by date of last A1c

cords Found: 240

plies

EALTH NAVIGATOR

N	DDS	DOB	Age	BenCat	PCM Name	Provider Group	Outpatient Visits	Hospitalizations	ER Visits	Rx Count	Tr
	20	25 May 1948	55.85	RTN		INT MED CL NH-GRP				25	
	20	28 Sep 1954	49.51	ADA		FAM PRACTICE NH-GRP	4				
	31	08 Jan 1953	51.23	ADFMLY		FAM PRACTICE NH-GRP	4			2	
	31	05 Jul 1968	35.74	ADFMLY		FAM PRACTICE NH-GRP	1			15	
	30	01 May 1942	61.92	RTFMLY		FAM PRACTICE NH-GRP	2				
	30	05 Mar 1953	51.07	RTFMLY		FAM PRACTICE NH-GRP	2				
	30	20 Aug 1950	53.61	RTFMLY		FAM PRACTICE NH-GRP	3				HEMO
	20	29 Oct 1949	54.42	RTN		FAM PRACTICE NH-GRP	2			10	HEMO
	20	25 May 1950	53.85	RTA		FAM PRACTICE NH-GRP	8			6	HEMO
	30	01 Jul 1959	44.75	ADFMLY		FAM PRACTICE NH-GRP	3			10	HEMO
	20	28 Dec 1949	54.26	RTN		FAM PRACTICE NH-GRP	6				HEMO
	20	12 Apr 1961	42.97	ADA		FAM PRACTICE NH-GRP	5	1		11	HEMO
	30	09 Jun 1960	43.81	RTFMLY		FAM PRACTICE NH-GRP	6			4	HEMO
	20	15 May 1953	50.88	RTN		FAM PRACTICE NH-GRP	1			8	HEMO
	30	06 Oct 1973	30.48	ADFMLY		FAM PRACTICE NH-GRP				5	xCALC HI
	20	04 Apr 1942	61.99	RTN		INT MED CL NH-GRP	9	1	1	16	HEMO
	20	18 Jul 1961	42.7	RTN			10			9	HEMO
	30	11 Sep 1941	62.55	RTFMLY		FAM PRACTICE NH-GRP	1	4			HEMO
	30	31 May 1963	40.84	ADFMLY		FAM PRACTICE NH-GRP	5			3	HEMO
	20	06 Dec 1956	47.32	RTA		FAM PRACTICE NH-GRP	3				HEMO
	30	12 Aug 1957	46.63	ADFMLY		FAM PRACTICE NH-GRP	3				HEMO
	01	30 Dec 1992	11.25	ADFMLY		FAM PRACTICE NH-GRP	8			31	HEMO



Address https://pophealth.afms.mil/tsphp/std_report_action.cfm?RequestTimeout=1000 Go

Count	Test Name	HbA1C Date	HbA1C Result	Retinal Date	LDL Date	LDL	Chol CertDate	CHOL	HDL CertDate	HDL	Ch
25		No Exam Found									
		No Exam Found		04 Apr 2003	17 Feb 2004	155	17 FEB 2004	236	17 FEB 2004	58	
2		No Exam Found			08 Jan 2004	105	08 JAN 2004	184	08 JAN 2004	42	
5		No Exam Found									
		No Exam Found		19 Aug 2003	06 Nov 2003	110	06 NOV 2003	206	06 NOV 2003	79	
		No Exam Found		15 Sep 2003	03 Oct 2003	142	03 OCT 2003	226	03 OCT 2003	41	
	HEMOGLOBIN A1C	17 May 2002	5.4	12 Apr 2003	14 May 2002	150	14 MAY 2002	250	14 MAY 2002	65	
0	HEMOGLOBIN A1C	14 Jun 2002	7		25 Apr 2002	67	25 APR 2002	147	25 APR 2002	61	
6	HEMOGLOBIN A1C	02 Jul 2002	8.2	29 Aug 2002	06 Jun 2002	66	06 JUN 2002	118	06 JUN 2002	35	
0	HEMOGLOBIN A1C	09 Sep 2002	6.5		29 Jul 2003	122	29 JUL 2003	200	29 JUL 2003	50	
	HEMOGLOBIN A1C	01 Oct 2002	4.5	20 Jun 2003	12 Nov 2002	73	12 NOV 2002	184	12 NOV 2002	38	
1	HEMOGLOBIN A1C	09 Oct 2002	6.1	11 Mar 2004	25 Feb 2004	119	25 FEB 2004	224	25 FEB 2004	49	
4	HEMOGLOBIN A1C	11 Nov 2002	5.2	12 Jun 2002							
8	HEMOGLOBIN A1C	26 Nov 2002	5.5		23 Nov 2002	111	23 NOV 2002	185	23 NOV 2002	47	
5	xCALC HEMOGLOBIN A1C	11 Dec 2002	5		06 Mar 2003	166	06 MAR 2003	261	06 MAR 2003	51	
6	HEMOGLOBIN A1C	03 Jan 2003	6.3	12 Jan 2004	30 Jan 2004	84	30 JAN 2004	150	30 JAN 2004	44	
9	HEMOGLOBIN A1C	24 Jan 2003	7.1	06 Feb 2003	06 Jun 2003	151	06 JUN 2003	221	06 JUN 2003	42	
	HEMOGLOBIN A1C	27 Jan 2003	5.8		27 Jan 2003	117	27 JAN 2003	222	27 JAN 2003	57	
3	HEMOGLOBIN A1C	28 Jan 2003	7		22 May 2002	155	22 MAY 2002	290	22 MAY 2002	41	
	HEMOGLOBIN A1C	29 Jan 2003	5.3	21 Jan 2003	10 Jun 2003	130	10 JUN 2003	206	10 JUN 2003	52	
	HEMOGLOBIN A1C	29 Jan 2003	4.4	24 Dec 2002	29 May 2003	132	29 MAY 2003	185	29 MAY 2003	35	
1	HEMOGLOBIN A1C	10 Mar 2003	9.9	10 Feb 2004	18 Oct 2002	94	17 OCT 2002	169	18 OCT 2002	58	

Address https://pophealth.afms.mil/tsphp/std_report_action.cfm?RequestTimeout=1000 Go

Report Results: Diabetes

Facility: | **PCM: - All -** **Records Found: 240**

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NAVAL POPULATION HEALTH NAVIGATOR

Patient Name	Sponsor SSN	DDS	DOB	Age	BenCat	PCM Name	Provider Group	Outpatient Visi
[redacted]	[redacted]		25 May 1948	55.85	RTN	[redacted]	INT MED CL NH-GRP	
			28 Sep 1954	49.51	ADA		FAM PRACTICE NH-GRP	4
			08 Jan 1953	51.23	ADFMLY		FAM PRACTICE NH-GRP	4
			05 Jul 1968				FAM PRACTICE NH-GRP	1
			01 May 1942				FAM PRACTICE NH-GRP	2
			05 Mar 1953				FAM PRACTICE NH-GRP	2
			20 Aug 1950				FAM PRACTICE NH-GRP	3
			29 Oct 1949				FAM PRACTICE NH-GRP	2
			25 May 1950				FAM PRACTICE NH-GRP	8
			01 Jul 1959	44		VID R	FAM PRACTICE NH-GRP	3
			28 Dec 1949	54		ARK V	FAM PRACTICE NH-GRP	6
			12 Apr 1961	43		H L	FAM PRACTICE NH-GRP	5
			09 Jun 1960	43		E M	FAM PRACTICE NH-GRP	6
			15 May 1953	50.88	RTN		FAM PRACTICE NH-GRP	1
			06 Oct 1973	30.48	ADFMLY		FAM PRACTICE NH-GRP	
			04 Apr 1942	61.99	RTN		INT MED CL NH-GRP	9
			18 Jul 1961	42.7	RTN			10
			11 Sep 1941	62.55	RTFMLY		FAM PRACTICE NH-GRP	1
			31 May 1963	40.84	ADFMLY		FAM PRACTICE NH-GRP	5
			06 Dec 1956	47.32	RTA		FAM PRACTICE NH-GRP	3
			12 Aug 1957	46.63	ADFMLY		FAM PRACTICE NH-GRP	3
			30 Dec 1992	11.25	ADFMLY		FAM PRACTICE NH-GRP	8

Annotation - Microsoft Intern...

Select a comment for this record

- Select a comment for this record
- HgBA1C test needed
- HgBA1C test ordered
- LDL-C test needed
- LDL-C test ordered
- Lipid Panel test needed
- Lipid Panel test ordered
- Retinal Exam needed
- Retinal Exam scheduled

Standard Report Output - Microsoft Internet Explorer

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Address https://pophealth.afms.mil/tsphp/std_report_action.cfm

Found: 26

es

ALTH NAVIGATOR

DDS	DOB	Age	BenCat	PCM Name	Provider Group	Test	Result	Test Date
30	05 Jun 1961	43	ADFMLY		FAMILY PRACTICE	MICROALBUMIN URINE	35	16 Jan 2002
30	24 Jul 1946	58	RTFMLY		FAMILY PRACTICE	MICROALBUMIN URINE	10.7	30 Jan 2002
30	05 Jun 1961	43	ADFMLY		FAMILY PRACTICE	MICROALBUMIN URINE	33	13 Mar 2002
30	05 Jun 1961	43	ADFMLY		FAMILY PRACTICE	MICROALBUMIN URINE	.5	05 Jun 2002
31	29 Jan 1951	54	RTFMLY		FAMILY PRACTICE	MICROALBUMIN URINE	13.4	05 Jun 2002
20	22 Oct 1956	48	RTN		FAMILY PRACTICE	MICROALBUMIN URINE	7.65	11 Oct 2002
31	23 Jun 1955	49	RTFMLY		FAMILY PRACTICE	MICROALBUMIN URINE	104	06 Nov 2002
31	29 Jan 1951	54	RTFMLY		FAMILY PRACTICE	MICROALBUMIN URINE	13.1	12 Feb 2003
20	22 Oct 1956	48	RTN		FAMILY PRACTICE	MICROALBUMIN URINE	10.4	31 Mar 2003
31	23 Jun 1955	49	RTFMLY		FAMILY PRACTICE	MICROALBUMIN URINE	3.62	02 Apr 2003
30	05 Jun 1961	43	ADFMLY		FAMILY PRACTICE	MICROALBUMIN URINE	23	19 May 2003
31	23 Jun 1955	49	RTFMLY		FAMILY PRACTICE	MICROALBUMIN UA	53.1	18 Feb 2004
30	12 Feb 1945	59	RTFMLY		FAMILY PRACTICE	MICROALBUMIN UA	5.92	12 Mar 2004
20	22 Oct 1956	48	RTN		FAMILY PRACTICE	MICROALBUMIN UA	10.2	23 Jun 2004
31	29 Jan 1951	54	RTFMLY		FAMILY PRACTICE	MICROALBUMIN UA	8.75	09 Jul 2004
31	23 Jun 1955	49	RTFMLY		FAMILY PRACTICE	MICROALBUMIN UA	31.7	21 Jul 2004
20	22 Jun 1969	35	ADN		FAMILY PRACTICE	MICROALBUMIN UA	10.1	13 Oct 2004
20	22 Jun 1969	35	ADN		FAMILY PRACTICE	MICROALBUMIN/CR	506	13 Oct 2004
20	22 Jun 1969	35	ADN		FAMILY PRACTICE	MICROALBUMIN/CR	5	22 Oct 2004
20	22 Jun 1969	35	ADN		FAMILY PRACTICE	MICROALBUMIN UA	13	22 Oct 2004
30	24 Jul 1946	58	RTFMLY		FAMILY PRACTICE	MICROALBUMIN U	32	12 Nov 2004
20	31 Oct 1948	56	RTAF		FAMILY PRACTICE	MICROALBUMIN UA	3.52	08 Dec 2004
30	12 Feb 1945	59	RTFMLY		FAMILY PRACTICE	MICROALBUMIN UA	4.3	15 Dec 2004
20	22 Oct 1956	48	RTN		FAMILY PRACTICE	MICROALBUMIN UA	9.14	05 Jan 2005
31	29 Jan 1951	54	RTFMLY		FAMILY PRACTICE	MICROALBUMIN UA	13.4	07 Jan 2005

Using PHN Data

Actions that might be considered

- Risk Stratify Patients
  - Find patients haven't had appropriate visits, studies
  - Consider referral to Nutritionist, Pharmacist
  - Contact patients using demographic information
- Assess utilization behavior for intervention
  - Lots of ER visits
  - ER/inpatient visits without outpatient care or studies
  - Consider case management for designated patients

Using PHN Data

Actions that might be considered (cont'd)

- Demand forecast for services
  - E.g. Ophthalmology exams
- Compare quality of care via HEDIS measures
- Download into Excel or Access for further eval'n
  - Sort by age, PCM clinic, PCM provider
  - Create A1C "profile" for population (avg, distribution)

Asthma Ends Here

Leading the Team

- Use your Health Care Team!!!
  - WHO is going to identify/contact patients?
  - HOW are you going to contact patients?

  - WHO is going to pull data and HOW often?
  - WHO is going to analyze/distribute the data?
  - HOW will data be used for feedback?

  - WHAT is your current performance?
  - WHAT are your goals/benchmarks?
  - WHAT will you do when you reach your goals?

Other PHN Features that may be of interest...

- Quick Look Sheet
- High Utilizer File

Logout

NAVY POPULATION HEALTH NAVIGATOR

Information current as of: 31 J[illegible] 2005

Demographics | Preventive Services | Disease/Condition Management | Administration

Choose a PCM: - All -

OR Choose a Provider Group: - All -

Quick Look	Methodology		Quick Look	
Asthma	Methodology	Aggregate	Prevalence Report	
Asthma Medication Management	Methodology	HEDIS	Action List	
Back Pain, Acute	Methodology	Aggregate	Prevalence Report	
Back Pain, Recurrent	Methodology	Aggregate	Prevalence Report	
COPD	Methodology	Aggregate	Prevalence Report	
Diabetes	Methodology	HEDIS	Action List	
Diabetic MicroAlbumins	Methodology		Action List	
High Utilizers	Methodology	Aggregate	Prevalence Report	Full Report (All PCMs)
Hypertension	Methodology	Aggregate	Prevalence Report	
Depression	Methodology	Aggregate	Prevalence Report	

Report Results: Quick Look

Facility: **PCM: - All -** **Records Found: 2079**

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NAVY POPULATION HEALTH NAVIGATOR

Patient Name	Sponsor SSN	FMP	DOB	Age	Sex	BenCat	PCM Name	Provider Group
		20	26 Jan 1951	54	M	RTN		FAMILY PRACTICE OC
		30	29 Jun 1970	34	F	ADFMLY		FAMILY PRACTICE OC
		30	13 Apr 1946	58	F	RTFMLY		FAMILY PRACTICE OC
		20	31 Dec 1971	33	M	ADN		FAMILY PRACTICE OC
		20	12 Apr 1964	40	M	ADN		FAMILY PRACTICE OC
		20	15 Nov 1968	36	F	ADN		FAMILY PRACTICE OC
		20	08 Oct 1976	28	F	ADN		FAMILY PRACTICE OC
		02	04 Apr 2002	2	M	ADFMLY		FAMILY PRACTICE OC
		30	11 Dec 1978	26	F	ADFMLY		FAMILY PRACTICE OC
		02	27 Apr 1985	19	M	RTFMLY		FAMILY PRACTICE OC
		20	14 Oct 1952	52	M	RTN		FAMILY PRACTICE OC
		30	13 Sep 1957	47	F	RTFMLY		FAMILY PRACTICE OC
		01	12 Sep 1989	15	F	ADFMLY		FAMILY PRACTICE OC
		30	06 Oct 1960	44	F	ADFMLY		FAMILY PRACTICE OC
		01	03 Jun 2003	1	M	ADFMLY		FAMILY PRACTICE OC
		30	11 Feb 1972	32	F	ADFMLY		FAMILY PRACTICE OC
		30	11 May 1964	40	F	RTFMLY		FAMILY PRACTICE OC
		20	22 Aug 1972	32	M	ADN		FAMILY PRACTICE OC
		30	12 Nov 1975	29	F	ADFMLY		FAMILY PRACTICE OC
		01	18 Nov 1993	11	M	ADFMLY		FAMILY PRACTICE OC
		20	05 Feb 1943	61	M	RTN		FAMILY PRACTICE OC
		30	13 Oct 1945	59	F	RTFMLY		FAMILY PRACTICE OC
		30	22 Nov 1971	33	F	ADFMLY		FAMILY PRACTICE OC
		02	29 Nov 1998	6	M	ADFMLY		FAMILY PRACTICE OC
		03	24 Sep 2002	2	M	ADFMLY		FAMILY PRACTICE OC

Provider Group	Pap Date	Mammography Date	Hypertension	Asthma	Diabetes	Dyslipidemia	Depression	HU Visits
FAMILY PRACTICE	02 Jun 2004							
FAMILY PRACTICE						YES		
FAMILY PRACTICE			YES		YES	YES		45
FAMILY PRACTICE								30
FAMILY PRACTICE	22 Oct 2003		YES					23
FAMILY PRACTICE	19 Mar 2004					YES		22
FAMILY PRACTICE	01 Jul 2004							22
FAMILY PRACTICE				YES				21
FAMILY PRACTICE	13 Aug 2003					YES		21
FAMILY PRACTICE								20
FAMILY PRACTICE								20
FAMILY PRACTICE	08 Apr 2004							18
FAMILY PRACTICE								18
FAMILY PRACTICE	26 Jan 2005							18
FAMILY PRACTICE								17
FAMILY PRACTICE								16
FAMILY PRACTICE	23 Sep 2004					YES		16
FAMILY PRACTICE	10 Sep 2004							16
				YES				16
FAMILY PRACTICE	22 Apr 2004							16
FAMILY PRACTICE								16
FAMILY PRACTICE	04 Jan 2005							15
FAMILY PRACTICE				YES				15
FAMILY PRACTICE				YES				15
FAMILY PRACTICE	08 Oct 2004							15
FAMILY PRACTICE								15

Logout

NAVY POPULATION HEALTH NAVIGATOR

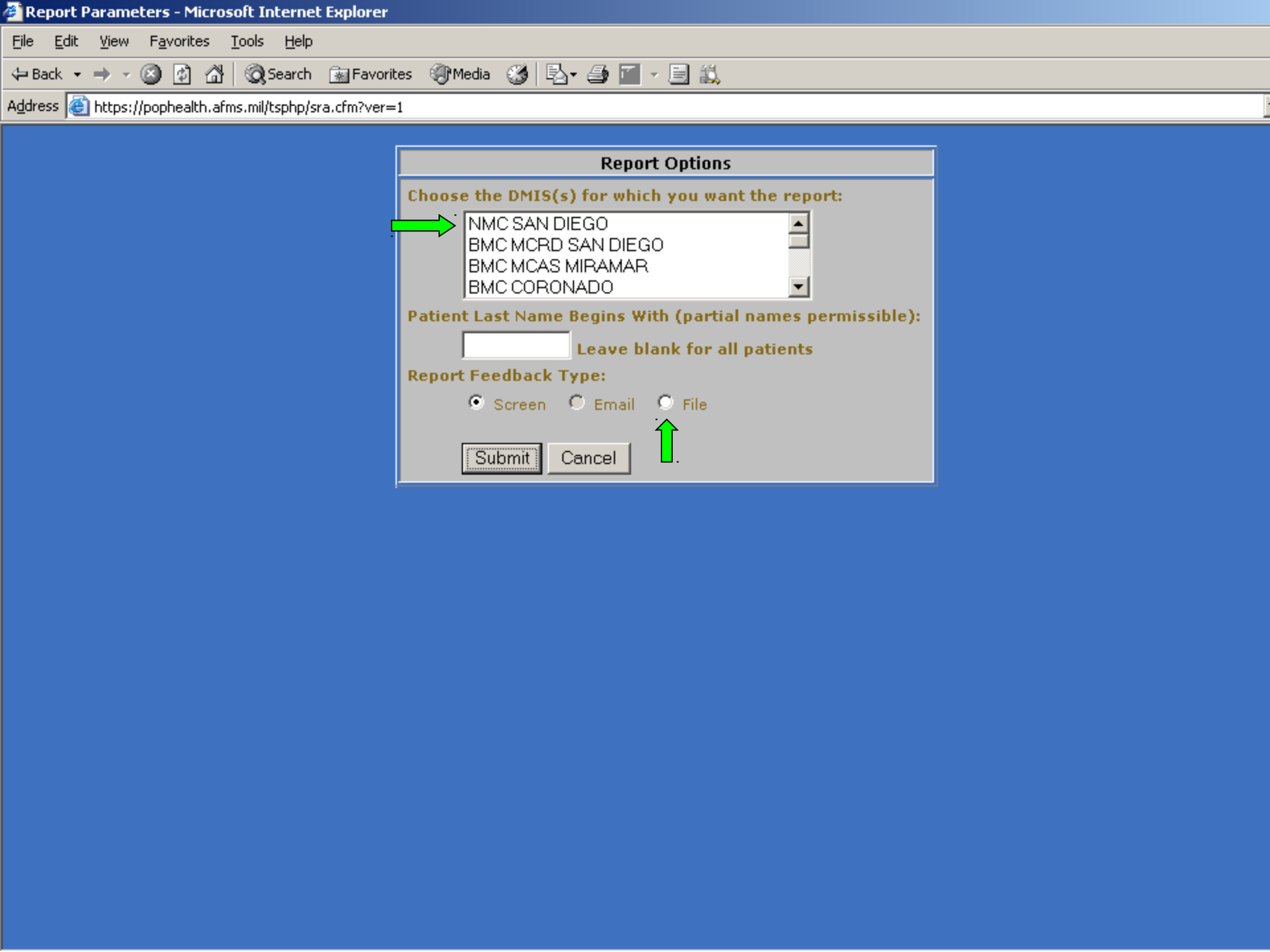
Information current as of: 31 Jan 2005

Demographics | Preventive Services | Disease/Condition Management | Administration

Choose a PCM: - All -

OR Choose a Provider Group: - All -

Quick Look	Methodology		Quick Look	
Asthma	Methodology	Aggregate	Prevalence Report	
Asthma Medication Management	Methodology	HEDIS	Action List	
Back Pain, Acute	Methodology	Aggregate	Prevalence Report	
Back Pain, Recurrent	Methodology	Aggregate	Prevalence Report	
COPD	Methodology	Aggregate	Prevalence Report	
Diabetes	Methodology	HEDIS	Action List	
Diabetic MicroAlbumins	Methodology		Action List	
High Utilizers	Methodology	Aggregate	Prevalence Report	Full Report (All PCMs)
Hypertension	Methodology	Aggregate	Prevalence Report	
Depression	Methodology	Aggregate	Prevalence Report	

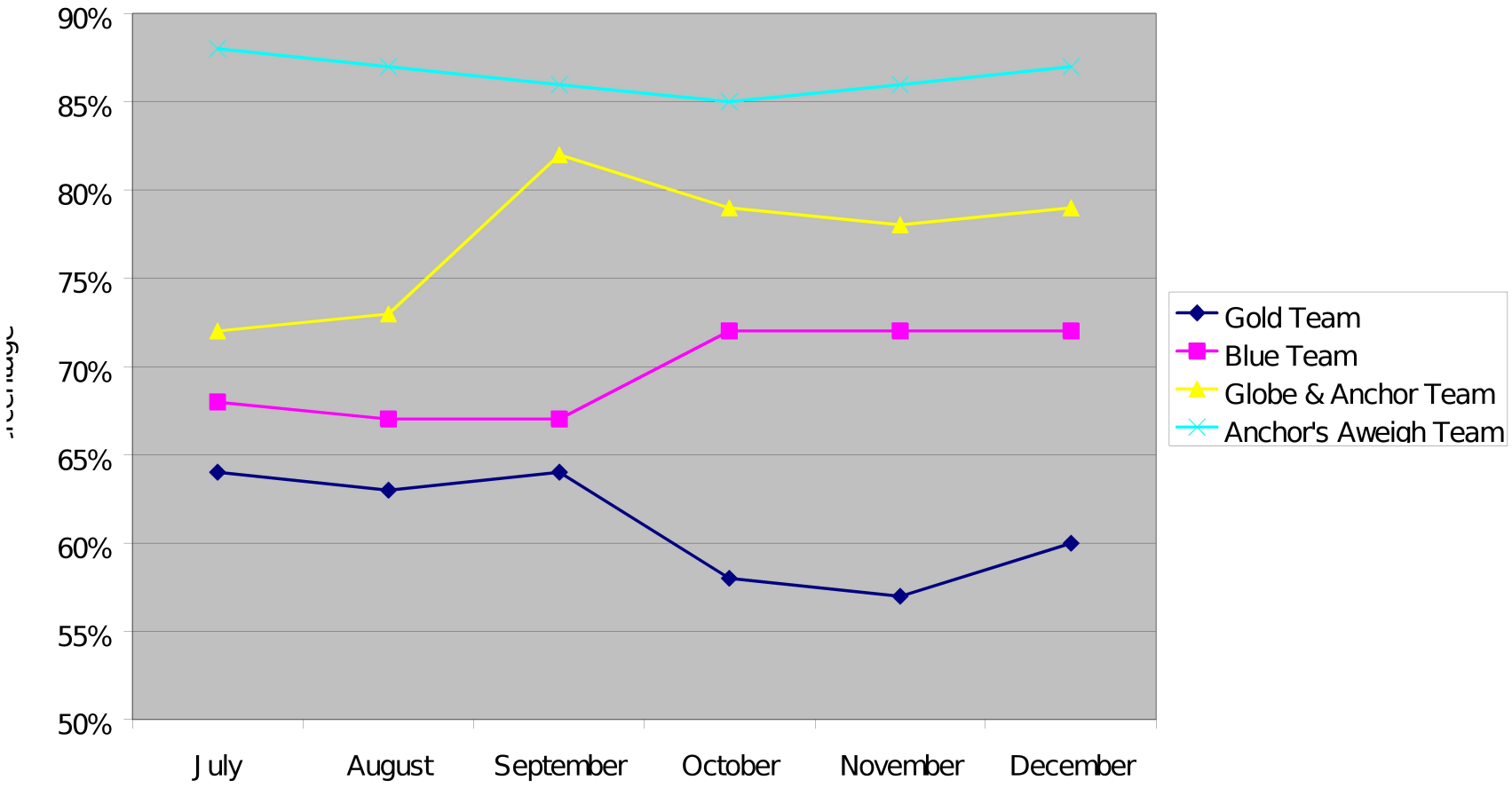

Report Parameters - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address https://pophealth.afms.mil/tsphp/sra.cfm?ver=1
Report Options
Choose the DMIS(s) for which you want the report:
NMC SAN DIEGO
BMC MCRD SAN DIEGO
BMC MCAS MIRAMAR
BMC CORONADO
Patient Last Name Begins With (partial names permissible):
Leave blank for all patients
Report Feedback Type:
Screen
Email
File
Submit
Cancel

PCM Name	Provider Group	Date	Clinic	Tmt Location	System	ICD9 Code	ICD9 Description
	FAMILY PRACTICE	23 Sep 2004	BGAA	0104	DIRECT	[illegible]7	CHONDR[illegible]ALACIA PATELLAE
	FAMILY PRACTICE	26 Aug 2004	BGAA	0104	DIRECT	V25.9	CONT[illegible]CEPTIVE MANGMT NOS
	FAMILY PRACTICE	12 Jul 2004	BGAA	0104	DIRECT	380.10	INFEC OTITIS EXTERNA NOS
	FAMILY PRACTICE	08 Jul 2004	BGAA	0104	DIRECT	472.0	CHRONIC RHINITIS
	FAMILY PRACTICE	30 Mar 2004	BGAA	0104	DIRECT	477.9	ALLERGIC RHINITIS NOS
	FAMILY PRACTICE	15 Apr 2004	BGAA	0104	DIRECT	599.0	URIN TRACT INFECTION NOS
	FAMILY PRACTICE	20 Apr 2004	BGAA	0104	DIRECT	V72.3	GYNECOLOGIC EXAMINATION
One Patient's Visits	FAMILY PRACTICE	19 Apr 2004	BGAA	0104	DIRECT	311	DEPRESSIVE DISORDER NEC
	FAMILY PRACTICE	03 May 2004	BGAA	0104	DIRECT	311	DEPRESSIVE DISORDER NEC
	FAMILY PRACTICE	20 May 2004	BGAA	0104	DIRECT	789.00	ABDMNAL PAIN UNSPCF SITE
	FAMILY PRACTICE	23 Aug 2004	BGAA	0104	DIRECT	724.5	BACKACHE NOS
	FAMILY PRACTICE	09 Aug 2004	BGAA	0104	DIRECT	724.5	BACKACHE NOS
	FAMILY PRACTICE	01 Jun 2004	BGAA	0104	DIRECT	789.00	ABDMNAL PAIN UNSPCF SITE
	FAMILY PRACTICE	19 May 2004	BGAA	0104	DIRECT	789.00	ABDMNAL PAIN UNSPCF SITE
	FAMILY PRACTICE	15 Sep 2004	BIAE	0104	DIRECT	724.2	LUMBAGO
	FAMILY PRACTICE	22 Jan 2005	BIAE	0104	DIRECT	521.00	DENTAL CARIES NOS
	FAMILY PRACTICE	14 Jan 2005	BIAE	0104	DIRECT	522.5	PERIAPICAL ABSCESS
	FAMILY PRACTICE	21 Dec 2004	BGAA	0104	DIRECT	311	DEPRESSIVE DISORDER NEC
	FAMILY PRACTICE	19 Nov 2004	BGAA	0104	DIRECT	729.5	PAIN IN LIMB
	FAMILY PRACTICE	09 Nov 2004	BGAA	0104	DIRECT	729.5	PAIN IN LIMB
	PEDIATRIC GROUP	09 Apr 2004	BIAE	0104	DIRECT	780.2	SYNCOPE AND COLLAPSE
	PEDIATRIC GROUP	12 Apr 2004	BDAA	0104	DIRECT	V65.40	COUNSELING NOS
	PEDIATRIC GROUP	09 May 2004	BIAE	0104	DIRECT	527.2	SIALOADENITIS
	PEDIATRIC GROUP	14 May 2004	BDAA	0104	DIRECT	782.2	LOCAL SUPRFICIAL SWELLNG
	PEDIATRIC GROUP	18 Jun 2004	GENPRAC	ERHOSP	NETWORK	780.39	CONVULSIONS NEC
	PEDIATRIC GROUP	17 Jul 2004	PEDS	ERHOSP	NETWORK	780.39	CONVULSIONS NEC

Objectives

- Population Health Navigator (45 minutes)
  - Describe contents of the PHN
  - Describe how to use the PHN
  - Manipulate data from the PHN for specific conditions
- Questions (5 minutes)
- Hands-on (20 minutes)

A1c Compliance by Month

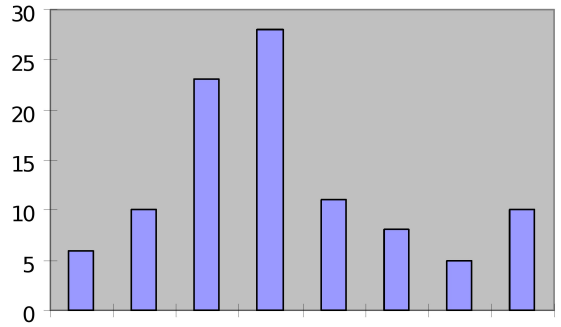


Basic Excel Skills

- Basic Excel Skills can serve you well in analyzing PopHealth Navigator data.
  - Sort — e.g. sorting/ranking
  - Filter** — e.g. isolate clinic, doc
  - Sum =SUM(range) — e.g. utilization metrics
  - Average =AVERAGE(range) — e.g. average A1C
  - Count If =COUNTIF(range,"<7") — e.g. A1C <7
- No repetitive tasks should take >10 minutes!

Additional Excel Skills

- Intermediate Excel Skills
  - Add-In “Analysis ToolPak” (under “Tools”) allows Data Analysis capability
    - Descriptive Statistics (e.g. min, max, mean, SE, SD)
    - Rank and Percentile
    - Histogram
- Advanced Excel Skills
  - Pivot Tables
  - Mail Merge Letters



Exercise Part 1

- Look up your clinic's data for the HEDIS Clinical Metrics being reported in the BUMED Business Plan via the PHN Dashboard

  - HbA1c < 9.0
  - Diabetic LDL < 100

https://dataquality.med.navy.mil/reconcile/pophealth

Exercise Part 2a

- Look up your clinic's data for the HEDIS Clinical Metrics using the Population Health Navigator program

  - HbA1c < 9.0
  - Diabetic LDL < 100

  - Make a note of total HEDIS eligible diabetics

https://pophealth.afms.mil

Exercise Part 2b

- Pull up the Diabetes “Action List”
  - How many diabetics are on the action list?
  - How does this compare with the number of HEDIS®-eligible diabetics?
- What’s the difference between these 2 groups?

Exercise Part 3

- What % of diabetics on the action list have:
  - No HbA1c?
  - HbA1c greater than 1 year?
  - HbA1c greater than 9.0?
  - Need retinopathy screening exams?

  - (Hint: Use Excel and/or the calculator on the computer when trying to figure out data)

  - Extra Credit: What is your average HbA1c and what percentage of diabetic patients have a HbA1c <7.0?

Exercise Lessons

- What questions arise during this exercise related to:
  - Coding
  - Enrollment
  - Process